BRUHAT BANGALORE MAHANAGARA PALIKE

FORM PWG -45 WORK SLIP STATEMENT

Name of the Work: Augmentation of Water Supply through Borewell, network of piplines and ground water recharge facilities in ward no. 05 & 06 (Package No-3) (Package Consists of 6 Works)

Sanctioned Estimate Amount: Rs. 42,000,000.00

Sanctioned Tender Amount: Rs. 37,905,841.13

Operative Tender Premium 4.99% Above

Name of the Contractor: M/s Rajalakshmi Rock Drillers

Sl. No	Description of Item	Unit	Sanctioned Estimate			As per Tender (BOQ)			Executed	Upto 125%			Above 125%			Total Amount as per actuals	Excess	Remarks
			Qty	Rate	Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount			
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its quality & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etccomplete as per specifications and directions of Engineer in charge of work.	Each BW	36.00	3881.04	139717.44	36.00	4074.70	146689.20	47.00	45.00	4074.70	183361.50	2.00	4074.70	8149.40	191510.90	44821.70	-
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars and cap etc.,) ,with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in charge of work.0 to 50	Rmtr	1800.00	357.41	643338.00	1800.00	375.24	675432.00	2350.00	2250.00	375.24	844290.00	100.00	375.24	37524.00	881814.00	206382.00	
3	50 to 100	Rmtr	1800.00	455.26	819468.00	1800.00	477.98	860364.00	2350.00	2250.00	477.98	1075455.00	100.00	477.98	47798.00	1123253.00	262889.00	-
4	100 to 150	Rmtr	1800.00	469.68	845424.00	1800.00	493.12	887616.00	2350.00	2250.00	493.12	1109520.00	100.00	493.12	49312.00	1158832.00	271216.00	-
5	150 to 200	Rmtr	1800.00	552.08	993744.00	1800.00	579.63	1043334.00	2350.00	2250.00	579.63	1304167.50	100.00	579.63	57963.00	1362130.50	318796.50	-
6	200 to 250	Rmtr	1800.00	653.02	1175436.00	1800.00	685.61	1234098.00	2350.00	2250.00	685.61	1542622.50	100.00	685.61	68561.00	1611183.50	377085.50	
7	250 to 300	Rmtr	1800.00	721.00	1297800.00	1800.00	756.98	1362564.00	2350.00	2250.00	756.98	1703205.00	100.00	756.98	75698.00	1778903.00	416339.00	
8	300 to 350	Rmtr	1800.00	849.75	1529550.00	1800.00	892.15	1605870.00	2042.00	2042.00	892.15	1821770.30	0.00	892.15	0.00	1821770.30	215900.30	

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	...ing and fixing 250mm dia PVC Pipe and as specification complete as per specifications and directions of Engineer in charge of work.	m	360.00	2203.39	793220.40	360.00	2313.34	832802.40	639.00	450.00	2313.34	1041003.00	189.00	2313.34	437221.26	1407224.26	5424.26
	...175mm dia M.S. Casing capcomplete as per specifications and directions of Engineer in charge of work.	Each	36.00	103.00	3708.00	36.00	108.14	3893.04	47.00	45.00	108.14	4866.30	2.00	108.14	216.28	5522.58	1128.54
13	Fabrication supplying and mounting MS box of 16 SWG suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primer paint and finally finished with approved colour enamelled metal paint etc., complete box of 21600 sqcm with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in	Sq.cm	792000.00	0.35	277200.00	792000.00	0.37	293040.00	924000.00	924000.00	0.37	341880.00	0.00	0.37	0.00	341880.00	4224.00
14	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI union confirming to IS 1239-II, 1991 with latest amendments if any, complete as per specifications and directions of Engineer in charge of work.	No	36.00	180.25	6489.00	36.00	189.24	6812.64	38.00	38.00	189.24	7191.12	0.00	189.24	0.00	7191.12	378.48
17	Labour charges for erection as new /repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) complete as per specifications and directions of Engineer in charge of work.	Job	36.00	5819.50	209502.00	36.00	6109.89	219956.04	38.00	38.00	6109.89	232175.82	0.00	6109.89	0.00	232175.82	12219.78
18	Labour charges for Erection of outdoor type panel board and meter board units with all necessary materials and labour tools and equipments including providing cement concrete foundation bed etc., complete. as per specifications, with testing complete as per specifications and directions of Engineer in charge of work.	Job	36.00	1233.94	44421.84	36.00	1295.51	46638.36	38.00	38.00	1295.51	49229.38	0.00	1295.51	0.00	49229.38	2591.02
22	Supplying and fixing of class A GI pipe on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm complete as per specifications and directions of Engineer in charge of work.	Mtr	144.00	335.00	48240.00	144.00	351.72	50647.68	152.00	152.00	351.72	53461.44	0.00	351.72	0.00	53461.44	2813.76

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	fixing, wiring, earth electrode for ...e conduits, I.C. cutouts and other ...ment's on the meter board using 40mm dia ...mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of ...t and charcoal 150mm all-round the pipe to ...complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia, complete as per specifications and directions of Engineer in charge of work.													
		Nos	36.00	3741.99	134711.64	36.00	3928.72	141433.92	38.00	38.00	3928.72	149291.36	0.00	3928.72	0.00	149291.36	7357.44
24	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class 16sqmmUG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.complete as per specifications and directions of Engineer in charge of work.	Nos	36.00	511.91	18428.76	36.00	537.45	19348.20	38.00	38.00	537.45	20423.10	0.00	537.45	0.00	20423.10	1074.90
25	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc.,Size 20 x 20 x 2.5 inches with all lead and lift, loading, unloading and labour charges etc., complete as per specifications and directions of Engineer in	Nos	36.00	292.00	10512.00	36.00	306.57	11036.52	38.00	38.00	306.57	11649.66	0.00	306.57	0.00	11649.66	613.14
27	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calama/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 17.5 HP 30 Stagecomplete as per specifications and directions of Engineer in charge of work.	Nos	12.00	72126.00	865512.00	12.00	75725.09	908701.08	13.00	13.00	75725.09	984426.17	0.00	75725.09	0.00	984426.17	75725.09

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	...ing & delivery at site brand new / Essen / Sunsmec/Adarsh/Gk controls best ...mpset make combine energy meter-cum-...ntrol panel board unit of size 1200 x 600 x 300 ...mm minimum mechanically strong and vermin ...nd water proof the unit shall have two ...detachable doors suitable for operation on ...3ph,50Hz, 380/440 volts, AC supply with spring ...loaded latch locking with a key ribs should be ...provided inside the door canopy apron and ...louvers ventilators shall be provided the combine ...energy mtr cum control panel board unit suitable ...for operation on 3ph, 50Hz,380/440 AC supply ...shall be consisted etc., completed T panel board ...shall be fabricated on single unit in the above ...components panel board for suitable pumpset ...above components panel board for suitable ...pumpset above Up to 20HP with star delta starter (MR) complete as per specifications and directions of Engineer in charge of work.	Nos	36.00	21000.00	756000.00	36.00	22047.90	793724.40	38.00	38.00	22047.90	837820.20	0.00	22047.90	0.00	837820.20	44095.80	
31	Supplying & delivery of brand 50mm Gate Valve. complete as per specifications and directions of Engineer in charge of work.	Each	36.00	1225.70	44125.20	36.00	1286.86	46326.96	38.00	38.00	1286.86	48900.68	0.00	1286.86	0.00	48900.68	2573.72	
32	Supplying & delivery of brand 50mm Non Return Valve. complete as per specifications and directions of Engineer in charge of work.	Each	36.00	1210.25	43569.00	36.00	1270.64	45743.04	38.00	38.00	1270.64	48284.32	0.00	1270.64	0.00	48284.32	2541.28	
33	Supplying and fixing MCB complete as per specifications and directions of Engineer in charge of work.	Each	36.00	1055.75	38007.00	36.00	1108.43	39903.48	38.00	38.00	1108.43	42120.34	0.00	1108.43	0.00	42120.34	2216.86	
	TOTAL				36104239.58			37905841.13				33535523.45			782442.94	34317966.39	2963582.67	

Percentage of excess comparing to the sanctioned Estimated cost = $\frac{2963582.67}{37905841.13} \times 100 = 7.82\ \%$

Agency

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Byatarayanapura Division

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